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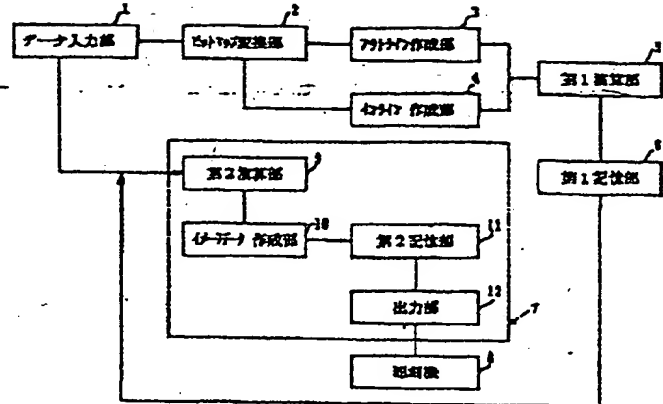
PUBLICATION NUMBER : 08282195  
PUBLICATION DATE : 29-10-96  
APPLICATION DATE : 12-04-95  
APPLICATION NUMBER : 07111301

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INT.CL : B44B 3/02 A63F 3/02 // B23Q 15/00  
B41C 1/045

TITLE : CHARACTER ENGRAVING DEVICE



**ABSTRACT :** PURPOSE: To carry out an automatic engraving of characters in brush-written style, wherein the character thickness is changed by a method wherein an engraving machine is controlled by providing the locus of the cutting edge of a chisel after engraving basic data are formed from inputted character shape and, at the same time, image data are formed by controlling the arrangement and size so as to suit to an object.

CONSTITUTION: When characters in brush-written style are engraved on a piece with an engraving device, in which character is automatically engraved by moving a rotating chisel, firstly character to be engraved is inputted. The inputted character data are expanded as bit map data at a bit map conversion part 2 so as to form outline at an outline forming part 3 and inline at an inline forming part 4. At a computing part 5, the linewidth and the depth of engraving groove are calculated and the locus of the cutting edge is formed as engraving basic data stored in a storage part 6. The shape, dimensions and the like of an engraving object and characters are inputted so as to form engraving character image under the condition that the positions and sizes of the characters are controlled in order to carry out automatic engraving with the engraving machine 8.

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